



# CHILDHOOD LEAD POISONING PREVENTION PROGRAM REVENUE AGREEMENT

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EPIDEMIOLOGY AND IMMUNIZATIONS SERVICES BRANCH

**Presented to Health Services Advisory Board**

**March 3, 2020**



# EPIDEMIOLOGY & IMMUNIZATION SERVICES BRANCH



## Epidemiology Unit

- Epidemiology and Surveillance
- Disease Investigation and Control
- HIV Surveillance
- **Childhood Lead Poisoning Prevention Program**
- Healthcare Associated Infections
- Hepatitis C Surveillance

## Immunization Unit

- Disease Investigation & Control
- Clinical Services
- Community Education/Outreach
- Contracts Administration
- San Diego Immunization Registry

## Public Health Lab

- Public Health Laboratory
- Laboratory Support
- Administration and Quality Assurance
- Water Testing

## Vital Records Unit

- Administration
- Birth Registration
- Death Registration
- Medical Marijuana Cards
- Cashiers

# WHAT IS LEAD POISONING?



LIVE WELL  
SAN DIEGO

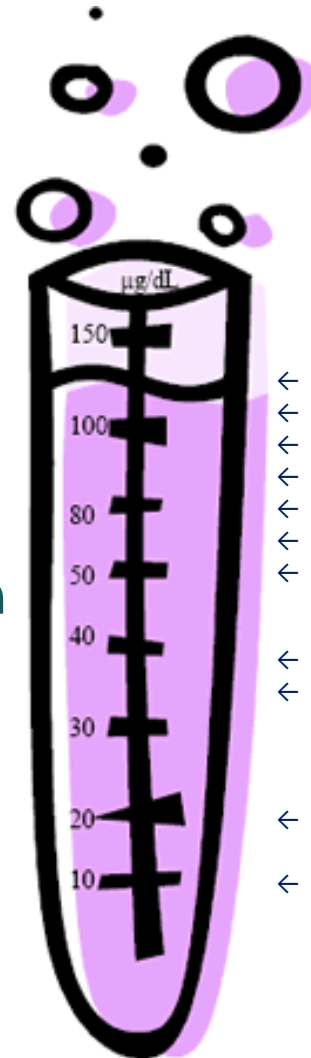
- **Lead poisoning is the accumulation of lead in the body**
- **Long-term exposure to lead can cause serious health problems**
- **Lead poisoning is 100% preventable**
- **Sources of childhood lead exposure include:**
  - **Dust**
  - **Soil**
  - **Water**
  - **Food or spices**
  - **Paint, toys, or other products**



# THE EFFECTS OF LEAD ON CHILDREN



- Harm a child's developing nervous system
- Cause anemia
- Decrease IQ
- Behavior problems (hyperactivity, irritability)
- Difficulty learning, paying attention
- Can damage kidneys and other organs
- Very high exposures can lead to seizures or death



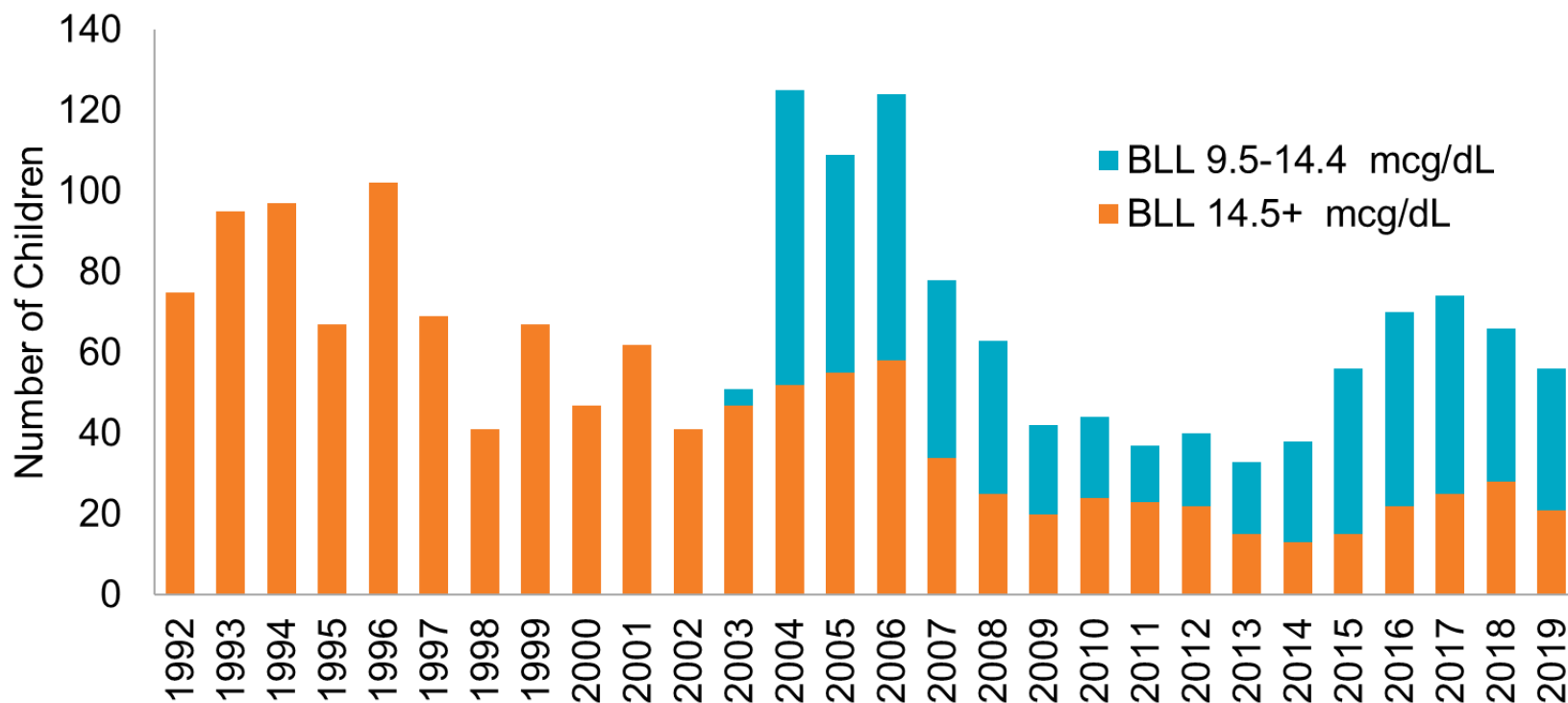
## Effects on children

- ← Death
- ← Coma
- ← Convulsions
- ← Brain Disease
- ← Kidney Disease
- ← Frank Anemia
- ← Colic
- ← Decreased Capacity to Transport Oxygen
- ← Increased Risk of Hypertension in Adulthood
- ← Body Can't Maintain Adequate Calcium Levels
- ← Developmental Toxicity
  - Decreased IQ Level
  - Decreased Hearing
  - Decreased Growth
  - Impaired Nerve Function
  - Trans-Placental Transfer

# SAN DIEGO COUNTY CHILDREN RECEIVING SERVICES BY YEAR, 1992-2019



## SAN DIEGO COUNTY CHILDREN RECEIVING SERVICES **BY YEAR**, 1992-2019

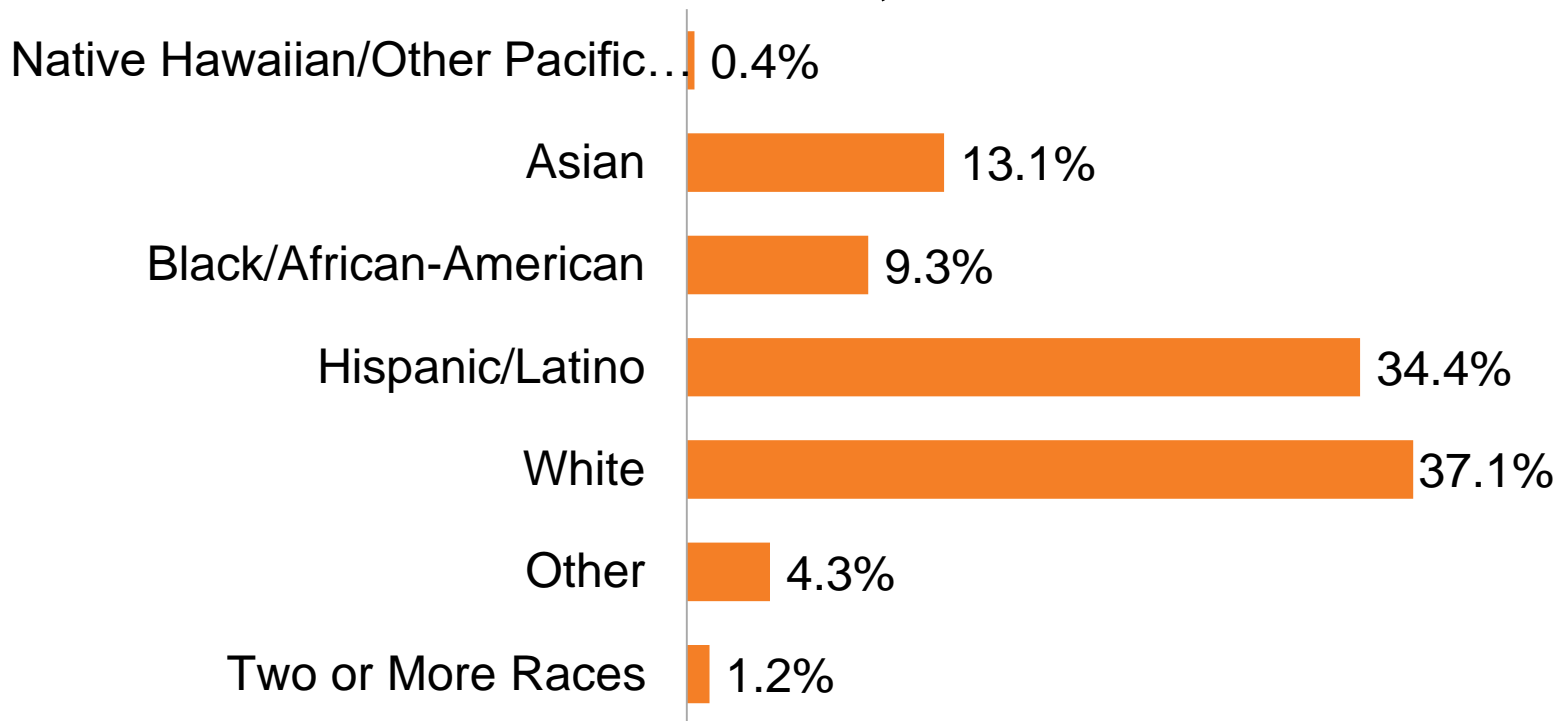


BLL = Blood lead level. Includes children under 21 years of age at case identification. Services to children with a BLL 9.5-14.4 mcg/dL began in 2004. Categorization by level is based on a newly identified venous BLL. Grouped by year that CLPPP was notified of the BLL which may not be the same year services were initiated. Counts are subject to change as additional information becomes available.



LIVE WELL  
SAN DIEGO

## SAN DIEGO CLPPP CASES BY RACE/ETHNICITY, 2015-2019



N = 259. Includes children with a newly identified venous BLL 9.5 mcg/dL or greater, excluding those with unknown race and ethnicity. Race and ethnicity are based on self-identification; those with unknown race/ethnicity are primarily those who did not receive a home visit where information could be obtained.

# CDPH FUNDING BY TERM



**FY 17/18-19/20**

**3-Year Term**

**\$3,865,721**

**\$1,288,573**  
per year avg

**FY 20/21-22/23**

**3-Year Term**

**\$4,234,905**

**\$1,411,635**  
per year avg

***\$369,184 increase in new term***

# FUNDING ACTIVITIES



- Education to health care providers on screening, testing, and resources
- Outreach and prevention education to community partners, high risk groups and general public
- Case management services for children with elevated blood lead levels
- Environmental investigations of homes for children with elevated lead levels







## **New Funding Requirements:**

- Proactive inspections to identify and reduce lead hazards in high-risk areas to prevent lead-exposure to children.
- Activities to reduce risks of children being exposed to environmental lead hazards by investigating locations where children are being exposed, could be exposed, or have been exposed in the past, and responding as necessary with appropriate enforcement actions.

# PROPOSED NEW TERM COST ALLOCATIONS



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SAN DIEGO

1. Public Health Nurse Supervisor
2. Two Public Health Nurses
3. Health Information Specialist
4. Community Health Promotion Specialist
5. Senior Office Assistant
6. Epidemiologist (.2 FTE)
7. Administrative Analyst (.07 FTE)
8. Contractors
  - Department of Environmental Health: \$109,130
  - City of San Diego: \$174, 064
  - TBD Contractor: \$150,000



# SELECTED PROGRAM OUTCOMES FROM FY 18/19



LIVE WELL  
SAN DIEGO

## Outcome Indicators FY 18/19

179

Children who received full case management services

399

Children and families who received health education information about their slightly elevated blood levels

710

Healthcare providers who received training on lead poisoning prevention

163

Community events where lead poisoning prevention health education was provided

6,389

Individuals and families with children who received lead poisoning prevention information

# NATIONAL LEAD WEEK 2019



LIVE WELL  
SAN DIEGO

**Lead is a  
hidden poison.**



**Get your child  
tested!**

Plomo es un veneno oculto. ¡Hágale la prueba a su hijo!

سرب سمی است مخفی. آزمایش اندازه گیری سرب را برای کودکان خود انجام دهید!

رهنماشته ده. ۲-خیل ماشوم ما معتدیه کوه خپ -

(619) 692-8487 | [www.sdlead.org](http://www.sdlead.org)



# NATIONAL LEAD WEEK 2019



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# TODAY'S REQUEST



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1. Authorize the approval and acceptance of \$4,234,905 in funds from CDPH for the period July 1, 2020 through June 30, 2023 for lead poisoning prevention services.
2. To authorize the Health and Human Services Agency to pursue future funding opportunities to fund efforts for childhood lead poisoning prevention



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# THANK YOU

## For More Information:

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COUNTY OF SAN DIEGO



**HHSA**

HEALTH AND HUMAN SERVICES AGENCY